

Massachusetts Childcare/Preschool Immunization Survey Results by County 2016-2017

County	Number of Programs*	Number of Children	4 DTaP	3 Polio	1 MMR	3 Hib	3 Hep B	1 Varicella	Series Complete	Medical Exemptions	Religious Exemptions	Total Exemptions	Un-immunized
Barnstable	95	2,493	95%	95%	96%	96%	95%	95%	93%	0.3%	2.0%	2.4%	1.5%
Berkshire	68	1,653	93%	95%	95%	94%	93%	95%	92%	0.5%	1.5%	2.0%	0.8%
Bristol	227	8,225	97%	98%	98%	98%	97%	97%	97%	0.2%	0.5%	0.7%	0.2%
Dukes	11	224	95%	96%	96%	96%	84%	94%	93%	0.0%	6.7%	6.7%	1.3%
Essex	310	12,063	96%	97%	98%	96%	96%	97%	95%	0.2%	0.8%	1.0%	0.6%
Franklin	41	985	96%	95%	96%	95%	93%	95%	94%	0.5%	3.4%	3.9%	1.4%
Hampden	169	6,410	97%	97%	98%	97%	97%	98%	96%	0.2%	0.6%	0.7%	0.4%
Hampshire	67	1,868	95%	96%	97%	95%	93%	95%	94%	0.4%	2.6%	3.1%	1.1%
Middlesex	685	26,319	98%	97%	98%	97%	96%	98%	96%	0.3%	0.6%	0.8%	0.3%
Nantucket	7	183	91%	97%	93%	95%	93%	92%	87%	1.6%	3.3%	4.9%	0.5%
Norfolk	319	11,911	98%	98%	99%	98%	97%	98%	97%	0.1%	0.6%	0.7%	0.4%
Plymouth	201	7,265	96%	96%	98%	97%	96%	97%	95%	0.4%	0.8%	1.2%	0.5%
Suffolk	330	8,863	93%	93%	94%	92%	92%	92%	91%	0.2%	0.2%	0.4%	0.1%
Worcester	309	11,498	96%	97%	98%	97%	96%	97%	95%	0.3%	0.8%	1.2%	0.5%
State Total	2,839	99,960	96%	97%	98%	96%	96%	97%	95%	0.3%	0.7%	1.0%	0.4%

* Number of programs is for all childcare programs in the county - data only represents those programs that responded to the survey

Number of Children Vaccination and exemption rates are assessed on children 2 years of age and older

4 DTaP 4 doses of DTaP (diphtheria, tetanus and pertussis) vaccine

3 Polio 3 doses of polio vaccine

1 MMR 1 dose of MMR (measles, mumps and rubella) vaccine

3 Hib 3 or more doses of *Haemophilus influenzae* type b vaccine

3 Hep B 3 doses of hepatitis B vaccine

1 Varicella 1 dose of varicella vaccine or a reliable history of chickenpox disease

Series 4 DTaP + 3 Polio + 1 MMR

Unimmunized Children with an exemption with no documented vaccines

- All data are self-reported by the schools and discrepancies may exist. The Immunization Program continues to work with schools to resolve discrepancies and update immunization data, when possible.
- Data are primarily collected in the fall, but immunization data are often updated throughout the year and rates (during the same school year) may be higher than reported due to additional children receiving immunizations or bringing records to school. Also, the childcare population is dynamic and as children arrive and leave the programs, the immunization rates are impacted.
- Children are allowed a medical or religious exemption to one or more vaccines.
- Children without the required number of doses of vaccine do not necessarily have an exemption on file.
- Children without a record of vaccination, but with serologic proof of immunity to certain diseases (measles, mumps, rubella, hepatitis b and varicella), meet school entry requirements, but may not be counted as vaccinated.
- Data from 63 child care programs are omitted from this report due to discrepancies that were unable to be resolved by the Immunization Program